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## Amendments to the Claims

- 1. (Canceled)
- 2. (Currently Amended) A color CRT having a panel of which outer surface is substantially flat and inner surface has a predetermined curvature and a funnel coupled to a rear side of the panel,

wherein an aspect ratio of an effective surface of the panel is 4:3, a diagonal size (U) of the effective surface is 570mm ~ 700mm, and a following condition is satisfied:

-1.7168\*Ln(U/lmm)+11.627≤(Rh\*Rv\*Ro/U)\*Tc≤-2.0131\*Ln(U/lmm)+13.645, wherein a value obtained by dividing an inner curvature radius Rx of the effective surface of the panel following a long axis (X) by a distance Lx of the effective surface of the panel following a 1.767\*long axis is Rh, a value obtained by dividing an inner curvature radius Ry of the effective surface of the panel following a short axis (Y) by a distance Ly of the effective surface following a 1.767\*short axis is Rv, a value obtained by dividing an inner curvature radius of the effective surface of the panel following a diagonal axis (D) by a distance Ld of the effective surface following 1.767\*diagonal axis is Ro, and the thickness of the center point of the panel is Tc;

wherein a following condition is satisfied: 10mm≤Tc≤12.4mm.

3. (Currently Amended) A color CRT having a panel of which outer surface is substantially flat and inner surface has a predetermined curvature and a funnel coupled to a rear side of the panel,

wherein an aspect ratio of an effective surface of the panel is 4:3, a diagonal size (U) of the effective surface is 570mm ~ 700mm, and a following condition is satisfied:

 $-1.7168*Ln(U_{\perp}1mm) + 11.627 \leq (Rh*Rv*Ro/U)*Tc \leq -2.0131*Ln(U_{\perp}1mm) + 13.645,$ 

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wherein a value obtained by dividing an inner curvature radius Rx of the effective surface of the panel following a long axis (X) by a distance Lx of the effective surface of the panel following a 1.767\*long axis is Rh, a value obtained by dividing an inner curvature radius Ry of the effective surface of the panel following a short axis (Y) by a distance Ly of the effective surface following a 1.767\*short axis is Rv, a value obtained by dividing an inner curvature radius of the effective surface of the panel following a diagonal axis (D) by a distance Ld of the effective surface following 1.767\*diagonal axis is Ro, and the thickness of the center point of the panel is Tc;

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wherein a following condition is satisfied: 0.0875\*Ln(U/lmm)-0.4192 ≤OAH/U≤0.0981\*Ln(U/1mm)-0.4753, and a tube axis directional distance from the center of the outer surface of the panel to a seal edge line is OAH.

4. (Currently Amended) A color CRT having a panel of which outer surface is substantially flat and inner surface has a predetermined curvature and a funnel coupled to a rear side of the panel,

wherein an aspect ratio of an effective surface of the panel is 16:9, a diagonal size (U) of the effective surface is 650mm ~ 760mm, a following  $-2.1319*Ln(U_{1mm})+14.589 \le (Rh*Rv*Ro)/U)*Tc \le -2.1319*Ln(U_{1mm})+14.589 \le (Rh*Rv*Ro)/U)*Tc \le -2.1319*Ln(U_{1mm})+14.589 \le (Rh*Rv*Ro)/U)*Tc \le -2.1319*Ln(U_{1mm})+14.589$ condition is satisfied:  $2.5462*Ln(U_{\perp}1mm)+17.414$ ,

wherein a value obtained by dividing an inner curvature radius Rx of the effective surface of the panel following a long axis (X) by a distance Lx of the effective surface of the panel following a 1.767\*long axis is Rh, a value obtained by dividing an inner curvature radius Ry of the effective surface of the panel following a short axis (Y) by a distance Ly of the effective surface following a 1.767\*short axis is Rv, a value obtained by dividing an inner curvature radius of the effective surface of the panel following a diagonal axis (D) by a distance Ld of the effective surface following 1.767\*diagonal axis is Ro, and the

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thickness of the center point of the panel is Tc.

5. (Original) The CRT of claim 4, wherein a following condition is satisfied: 11mm≤Tc ≤13.4mm.

- 6. (Currently Amended) The CRT of claim 4, wherein a following condition is satisfied:
- -0.0567\*Ln(U/1mm)+0.5119≤OAH/U≤-0.0485\*Ln(U/1mm)+0.4711, and a tube axis directional distance from the center of the outer surface of the panel to a seal edge line is OAH.
- 7. (Currently Amended) A color CRT having a panel of which outer surface is substantially flat and inner surface has a predetermined curvature and a funnel coupled to a rear side of the panel,

wherein an aspect ratio of an effective surface of the panel is 4:3, a diagonal size (U) of the effective surface is 400mm ~ 500mm, and a following condition is satisfied:

-0.8629\*Ln(U/1mm)+5.6754 $\leq$ (Rh\*Rv\*Ro)/U\*Tc $\leq$ -1.0547\*Ln(U/1mm)+6.9366,

wherein a value obtained by dividing an inner curvature radius Rx of the effective surface of the panel following a long axis (X) by a distance Lx of the effective surface of the panel following a 1.767\*long axis is Rh, a value obtained by dividing an inner curvature radius Ry of the effective surface of the panel following a short axis (Y) by a distance Ly of the effective surface following a 1.767\*short axis is Rv, a value obtained by dividing an inner curvature radius of the effective surface of the panel following a diagonal axis (D) by a distance Ld of the effective surface following 1.767\*diagonal axis is Ro, and the thickness of the center point of the panel is Tc.

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- 8. (Original) The CRT of claim 7, wherein a following condition is satisfied: 9mm≤Tc≤11.5mm.
- 9. (Currently Amended) The CRT of claim 7, wherein a following condition is satisfied: 0.096\*Ln(U/1mm)-0.4322≤OAH/U≤0.1052\*Ln(U/1mm)-0.4778, and a tube axis directional distance from the center of the outer surface of the panel to a seal edge line is OAH.
- 10. (Currently Amended) A color CRT having a panel of which outer surface is substantially flat and inner surface has a predetermined curvature and a funnel coupled to a rear side of the panel,

wherein the center transmittance of an effective surface of the panel is 45% ~ 75%, a diagonal size (U) of the effective surface is 650mm ~ 700mm, and a following condition is satisfied:

-17.746\*Ln(U/lmm)+116.49≤(Rh\*Rv\*Ro)/U)\*Tc≤-20.322\*Ln(U/lmm)+133.45,

wherein a value obtained by dividing an inner curvature radius Rx of the effective surface of the panel following a long axis (X) by a distance Lx of the effective surface of the panel following a 1.767\*long axis is Rh, a value obtained by dividing an inner curvature radius Ry of the effective surface of the panel following a short axis (Y) by a distance Ly of the effective surface following a 1.767\*short axis is Rv, a value obtained by dividing an inner curvature radius of the effective surface of the panel following a diagonal axis (D) by a distance Ld of the effective surface following 1.767\*diagonal axis is Ro, and the thickness of the center point of the panel is Tc.

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11. (Original) The CRT of claim 10, wherein the thickness at the edge portion of the panel is equal to or smaller than 25mm.

12. (Original) The CRT of claim 10, wherein a following condition is satisfied: 10mm ≤Tc≤13.4mm.